

VTU VGST sponsored FDP on Effect of corrosion on the concrete infrastructure and its durability

4 day Workshop on “Effect of corrosion on the concrete infrastructure and its durability”

A Workshop on “Effect of corrosion on the concrete infrastructure and its durability” was conducted at seminar hall 6, MVJCE, Bangalore from 20th to 23rd of May, 2014 by the Department of Civil Engineering. Total no. of participants is 60.

The trainees arrived by 9:30 a.m to grace the occasion. The event started with welcome speech by Dr. K Asha, HOD, Department of Civil Engineering.

Following that our faculty coordinators, Dr.K Kumar and Dr. K Asha have addressed the gathering with their words of wisdom. They have encouraged all the participants, and emphasized on the features of **Effect of corrosion on the concrete infrastructure and its durability**. Then a brief introduction about the trainee was given. The list of speakers is given below:

NAME	DESIGNATION	ORGANISATION	ACTIVITY
Dr. N Palaniswamy	Chief Scientist	CECRI, Karaikudi	Keynote address/ Chairing session/ speaker
Dr. S. Syed Azim	Chief Scientist	CECRI, Karaikudi	Chairing session/ speaker
Dr. K. Saravanan	Senior Scientist	CECRI, Karaikudi	Speaker
Mr. A K Parande	Senior Scientist	CFRI, Mysore	speaker
Dr. Chandramouli SV	Manager- SHM	Savcor India Pvt Ltd, Bangalore	Chairing session /speaker
Mr. Gopinath	General Manager	BBR India Pvt. Ltd, Bangalore	Chairing session /speaker
Mr. Sunil Bhat	Reginal I/c	Krishna Conchem Products Pvt. Ltd, Mumbai.	Demo/speaker
Mr. Chandra Sekkar Sharma	Manager Technical	Fosroc Chemicals (India) Pvt. Ltd, Bangalore	Demo/speaker
Dr. K Kumar	Professor	MVJ College of Engineering,	Chairing session

		Bangalore	/speaker
Dr. A K Shukla	Professor	MVJ College of Engineering, Bangalore	speaker
Mr. K Muralidhara	Associate Professor	MVJ College of Engineering, Bangalore	Demo/speaker

Finally the Workshop event ended up with vote of thanks by Dr. K Asha, HOD, Department of Civil. The trainer was delighted about the association with Civil department and felt that the seminar was an excellent and unique opportunity for the participants.

After completing the workshop training the participants understood:

1. Basic aspects of corrosion and concrete deterioration.
2. Case studies of corrosion failures in concrete structures
3. Cathodic protection of steel in concrete structures.
4. Admixture for durable concrete structures.
5. Special steels for concrete structures.
6. Corrosion performance of blended cements.
7. Protective coatings for concrete structures.
8. Rehabilitation methods.
9. Condition assessment of RCC structures.
10. Corrosion monitoring of pre stressed concrete structures.
11. On-line health measurements of infrastructures.
12. Technologies available.

The workshop comprised of the following themes:

DATE	TIME	ACTIVITY	RESOURCE PERSON
20-05-2014	10.30am – 11.30am	Inauguration	Dr. S Ananthraj
	11.30am-12.30pm	Basic aspects of corrosion and concrete deterioration	Dr. N Palaniswamy
	12.30pm-01.15pm	Lunch Break	
	01.15pm-02.15pm	Protective coatings for concrete structure	Dr. S. Syed Azim
	02.15pm-02.30pm	Tea Break	
	02.30pm-03.30pm	Condition Assessment of RCC structures	Dr. K Kumar
	03.30pm-04.00pm	Discussion	
21-05-2014	10.00am – 11.00am	Rehabilitation methods	Mr. C.Kasiraman
	11.00am-12.30pm	Admixture for durable concrete structure	Mr.Shivaprakash Gangappa
	12.30pm-01.15pm	Lunch break	
	01.15pm-02.15pm	Corrosion performance of blended cements	Sri A K Parande
	02.15pm-02.30pm	Tea Break	
	02.30pm-04.00pm	Biological corrosion on the concrete structures/ Special steels for concrete structures	Smt.Anupama/ Dr. Vivekk R Das
22-05-2014	08.30am-04.00pm	Visit to industry- Fosroc Chemicals	
23-05-2014	10.00am – 11.00am	Case studies of corrosion failure in concrete structures	Dr K Asha
	11.00am-12.30pm	Cathodic protection of steel in concrete structures	Dr K Kumar
	12.30pm-01.15pm	Lunch Break	
	01.15pm-02.45pm	On line health measurements of infra	Dr. Chandramouli S V

		structures	
	02.45pm-03.00pm	Tea Break	
	03.00pm-04.00pm	Panel Discussion/Validation	

Finally the Workshop event ended up with vote of thanks by Dr. K Asha, HOD, Department of Civil Engineering. The trainers were delighted on the association of Civil department and with the college and felt that the seminar was an excellent and unique opportunity to the participants.

By end of this workshop the participants were able to understand the effects of corrosion on the concrete infrastructure and its durability. The workshop was conducted to fulfill the gap.

Outcomes of the workshop:

This Workshop has provided awareness on the failure of concrete structure and its causes and remedial measures .The practical sessions have helped the participants to find solutions for real world problems.


PRINCIPAL SIGNATURE WITH SEAL
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